

Quality Control Statistical Summary

Onshore Grab Sample: WL-12-BB

Sample Taken By: D. Phelps
 Sample Taken On: 02/16/11
 County: Walton

Latitude: 30° 20' 23.4" N
 Longitude: 86° 12' 32.7" W
 Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.6619	phi	(0.316 mm)	1.7187	phi	(0.3038 mm)
Standard Dev:	0.3470	phi-units	(0.7862 mm)	0.3412	phi-units	(0.7894 mm)
Skewness:	-0.0549	dimensionless		0.0206	dimensionless	
Kurtosis:	4.0962	dimensionless		3.9746	dimensionless	
5th Moment:	2.1994	dimensionless		3.5701	dimensionless	
6th Moment:	55.7003	dimensionless		53.4940	dimensionless	
RARD*:	0.2088	dimensionless		0.1986	dimensionless	
Median:	1.5405	phi	(0.3438 mm)	1.5947	phi	(0.3311 mm)

Statistical Results: CaCO3	
Not Enough Carbonate Material to do Post-Digestion Analysis	

Statistical Results: Post-CaCO3	
Not Enough Carbonate Material to do Post-Digestion Analysis	

Additional Data	
Total Fines	
Original:	0.03 %
Duplicate:	0.02 %
Total Carbonates	
Original:	0.05 %
Duplicate:	0.37 %

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
Millimeter data calculated by $mm = 2^{(-\phi)}$	
* Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)

Pre-Digestion Grain Size Distribution

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Total Duplicate Sample Mass: 58.754 grams

Total Original Sample Mass: 50.297 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight of Dupl (grams)	Freq Weight %	Cumulative Weight %	Weight of Original (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000	0.000	0.000	0.000
0.25	0.125	0.037	0.063	0.063	0.000	0.000	0.000
0.50	0.375	0.080	0.136	0.199	0.037	0.074	0.074
0.75	0.625	0.265	0.451	0.650	0.163	0.324	0.398
1.00	0.875	1.482	2.522	3.173	0.860	1.710	2.107
1.25	1.125	3.670	6.246	9.419	2.350	4.672	6.780
1.50	1.375	12.503	21.280	30.699	8.799	17.494	24.274
1.75	1.625	17.131	29.157	59.856	14.727	29.280	53.554
2.00	1.875	15.394	26.201	86.057	14.367	28.564	82.118
2.25	2.125	5.937	10.105	96.162	6.235	12.396	94.515
2.50	2.375	1.833	3.120	99.282	2.289	4.551	99.066
2.75	2.625	0.315	0.536	99.818	0.370	0.736	99.801
3.00	2.875	0.072	0.123	99.940	0.066	0.131	99.932
3.25	3.125	0.017	0.029	99.969	0.016	0.032	99.964
3.50	3.375	0.010	0.017	99.986	0.007	0.014	99.978
3.75	3.625	0.003	0.005	99.991	0.003	0.006	99.984
4.00	3.875	0.000	0.000	99.991	0.004	0.008	99.992
5.00	4.500	0.005	0.009	100.000	0.004	0.008	100.000



